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Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

061607-1580

First Inventor

William Betts

Title

Systems and Methods for Fractional Bit Rate Encoding in a
Pulse Amplitude Modulation Communication System

Express Mail Label No.

EL492176727US

J1017 U.S. PAT. 09/785366

02/16/01

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231☐ APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status
3. ☒ Specification [Total Pages **53**]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed. Sponsored R&D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets **6**]
5. Oath or Declaration [Total Pages **2**]
- a. ☒ Newly Executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR §1.63(d))
(for continuation/divisional with Box 17 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76
- Assignee
Name and Address
(if applicable)
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy (CRF)
- b. Specification Sequence Listing on.
- i. ☐ CD-ROM or CD-R (2 copies), or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies
9. ☐ Assignment Papers (cover sheet & Documents(s))
10. ☐ 37 CFR 3.73(b) Statement [Power of Attorney]
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

ACCOMPANYING APPLICATION PARTS

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior application information: Examiner

Group / Art Unit:

For CONTINUATION OR DIVISIONAL APPS only the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

24504

(Insert Customer No. or Attach bar code label here)



Correspondence address below

NAME

Adam E. Crall
Thomas, Kayden, Horstemeyer & Risley, L.L.P.

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Name (Print/Type)

Adam E. Crall

Registration No. (Attorney/Agent)

46,646

Signature

Date

02/16/2001

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FEE TRANSMITTAL
for FY 2000

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$)**2,010.00****Complete If Known**

Application Number	(Unassigned)
Filing Date	(Herewith)
First Named Inventor	William Betts
Examiner Name	(Unassigned)
Group / Art Unit	(Unassigned)
Attorney Docket No.	061607-1580

METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number **16-0255**Deposit Account Name **Paradyne Corporation's**

- ☒
- Charge all indicated fees and any additional fee required or credit any overpayment.
-
- ☒
- Charge any additional fee required and requested to credit any overpayment.
- ☐
- Applicant claims small entity status See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:**

☐ Check ☐ Money Order ☐ Credit Card
FEE CALCULATION**1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$710
106	320	206	160	Design filing fee	\$
107	490	207	245	Plant filing fee	\$
108	710	208	355	Reissue filing fee	\$
112	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)					(\$710)

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	70	-20** = 50	x 18.00 = 900
Independent Claims	8	-3** = 5	x 80.00 = 400
Multiple Dependent		270.00	= 0

**or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent Claims in excess of 3
104	270	204	135	Multiple dependent claims in excess of 3
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$) 1300

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension of time within second month	
117	890	217	445	Extension of time within third month	
118	1,390	218	695	Extension of time within fourth month	
128	1,890	228	945	Extension of time within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (time number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
02/26/2001 JADE01 00000022 160255 05785366					
Sale Ref: 00000050 DAN: 160255 05785366					
01 FC:101 710.00 CH					
02 FC:102 400.00 CH					
03 FC:103 400.00 CH					
Other fee (specify)					
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					0

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Adam E. Crall	Reg Number	46,646
Signature		Date	02/16/2001
		Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: William Betts

For: Systems and Methods for Fractional Bit Rate Encoding in a Pulse Amplitude Modulation Communication System

CERTIFICATE OF EXPRESS MAIL

Assistant Commissioner for Patents
BOX: Patent Application
Washington, D.C. 20231

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
35 Pages of Specification
17 Pages of Claims
1 Pages of Abstract
6 Pages of Formal Drawings
Declaration of William Betts

Further, the Commissioner is authorized to charge Deposit Account No. 16-0255 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 16-0255.

Respectfully submitted,

Adam E. Crall, Reg. No. 46,646



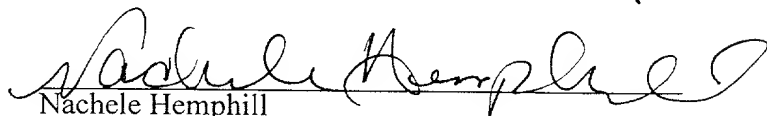
**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**
100 Galleria Parkway, N.W.
Suite 1750
Atlanta, Georgia 30339-5948

Our Docket No: **061607-1580**

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service **"EXPRESS MAIL POST OFFICE TO ADDRESSEE"** service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EL492176727US**.

Date: 2/16/01



Nachele Hemphill